

## Data Insights: Covid-2019 Monitor

Wednesday, July 6, 2022

### The global scorecard

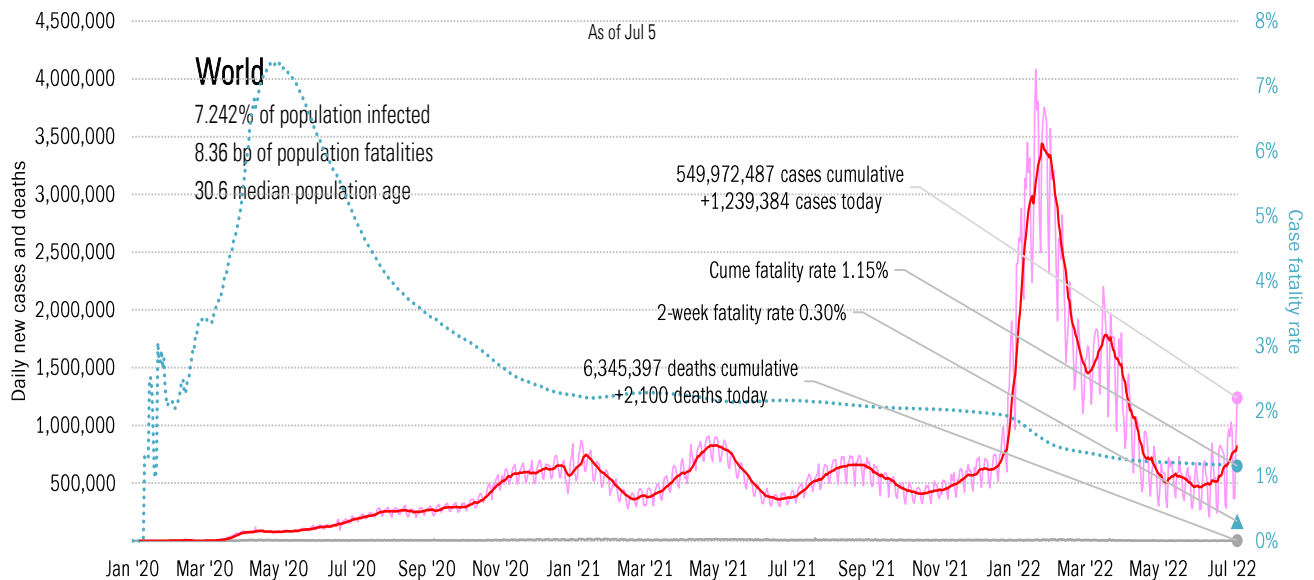
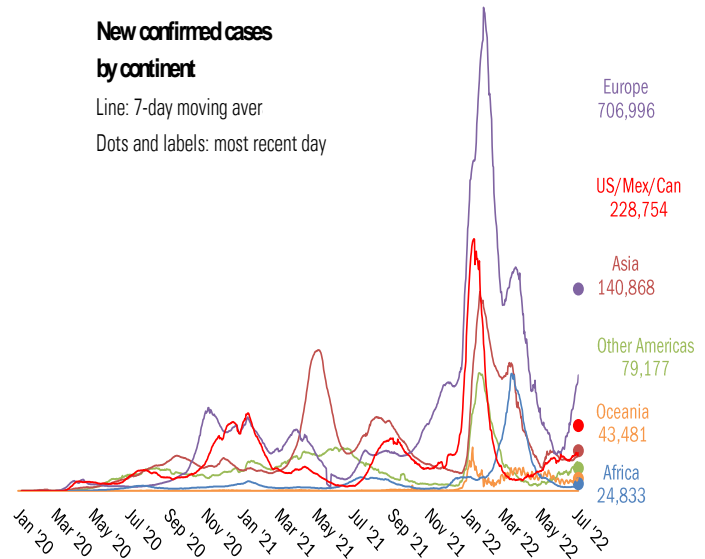
Cases: 7-day average and daily Deaths: Daily

#### The worst ten countries

New cases		New Deaths	
France	207,642	United States	420
United States	194,782	Brazil	396
Italy	133,015	Spain	148
Germany	130,728	Belarus	140
Brazil	74,591	Germany	122
Spain	71,818	Taiwan*	103
Switzerland	46,044	Italy	94
Portugal	43,465	Portugal	87
Australia	43,403	France	75
Japan	36,164	Mexico	75
981,652		1,660	
World	1,239,384	World	2,100
Top ten	79%	Top ten	79%

#### New confirmed cases by continent

Line: 7-day moving aver  
Dots and labels: most recent day



Source: [Johns Hopkins](#), TrendMacro calculations

#### For more information contact us:

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 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

Cases: 7-day average and daily Deaths: Daily

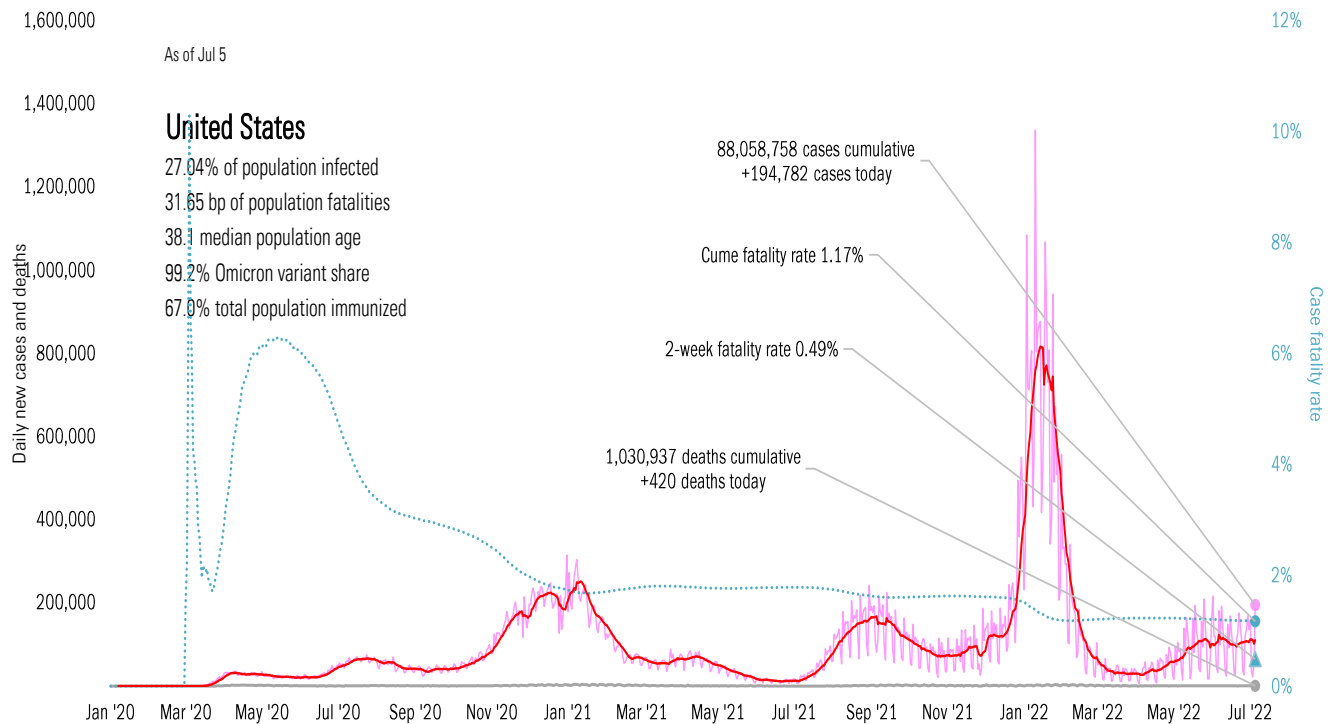
## The ten worst US states

New cases			New deaths			New in hospital			Cumulative cases			Cumulative deaths			Cumulative in hospital			Hospital use		ICU use	
CA	51,709		CA	72		GA	209		CA	10,224,139		CA	92,475		TX	506,341		RI	91%	RI	86%
TX	36,528		MI	64		IN	97		TX	7,239,543		TX	88,765		CA	453,012		MN	85%	NM	86%
MI	13,102		FL	51		PA	162		FL	6,526,475		FL	76,054		FL	446,393		WA	84%	ND	82%
FL	12,916		TX	30		UT	59		NY	5,639,141		NY	69,715		NY	272,059		NV	83%	WA	82%
NY	11,795		VA	19		KY	81		IL	3,446,267		PA	45,766		GA	210,834		MA	83%	NV	81%
IL	10,862		MA	17		FR	27		PA	3,007,516		CH	38,852		CH	200,511		DE	81%	DE	80%
TN	8,590		NY	17		CT	52		NC	2,867,218		IL	38,616		PA	187,620		WV	80%	MIN	79%
CR	4,788		IL	15		MN	66		CH	2,848,453		GA	38,579		IL	169,501		MO	80%	MA	77%
LA	4,532		MD	11		NM	35		GA	2,647,568		MI	36,982		MI	150,384		GA	78%	AL	77%
MA	4,486		AZ	9		WY	14		MI	2,619,533		NJ	34,066		KY	136,495		MD	78%	NE	77%
159,308			305			802			47,065,853			559,870			2,733,150						
All states	194,782			420			4,370		All states	88,058,758			1,030,937			4,964,401		All states	70%		67%
Top ten	82%			73%			18%		Top ten	53%			55%			55%		Median	72%		68%

Some states not reporting

## Five most improved US states

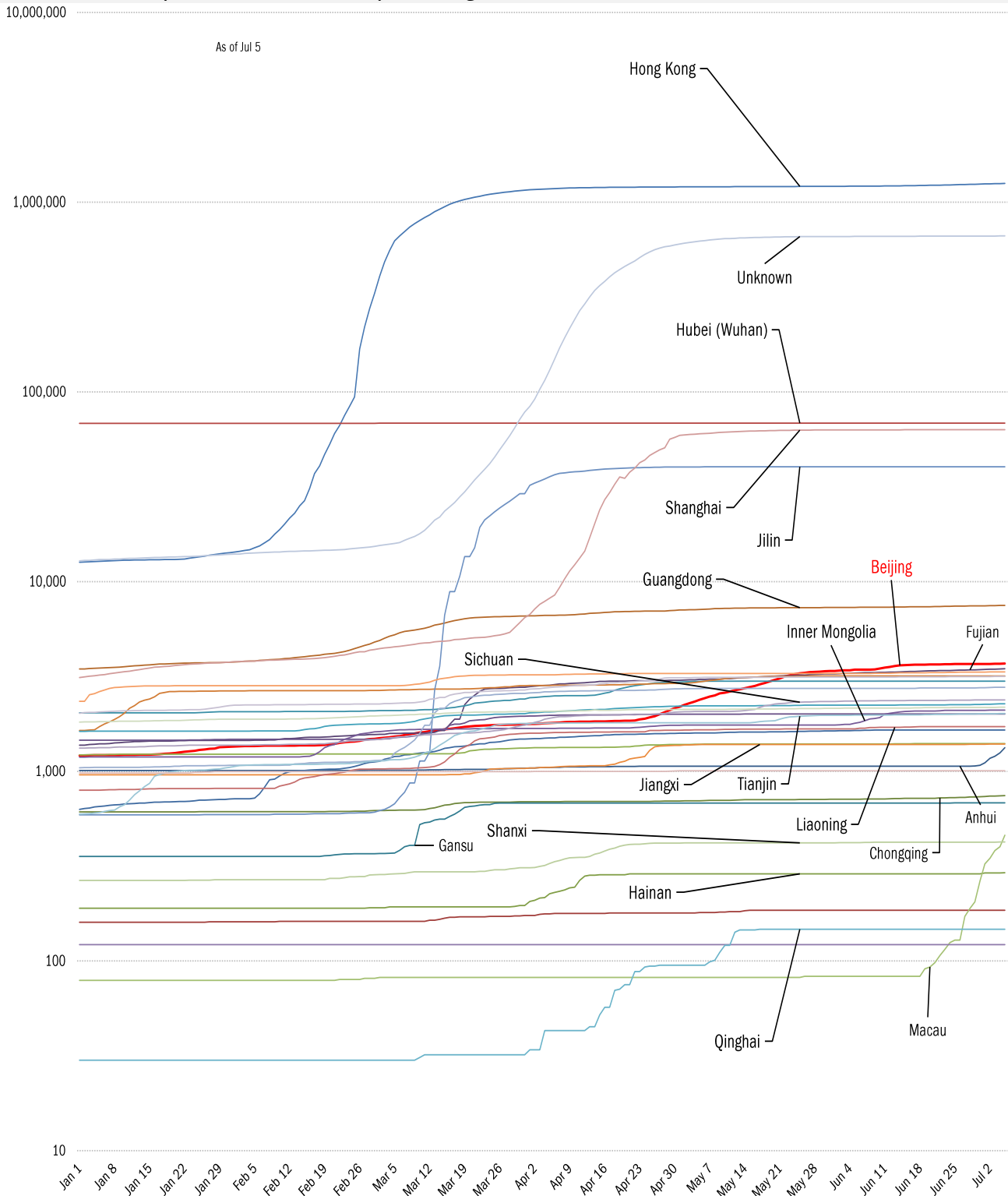
Fewer daily cases	Fewer new deaths	Fewer new hospitalizations	Most pop immunity growth
VA -4,463	FL -60	TX -341	WY +408 bp
CO -4,196	WI -12	FL -167	MO +398 bp
WI -2,763	AL -7	NC -143	PA +395 bp
AL -2,531	VA -5	NY -113	AZ +389 bp
NJ -2,314	CO -4	NJ -100	ID +383 bp



Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# China provincial coronavirus case accelerometer... tracking the "zero Covid" curves

*Cumulative reported cases this year, log scale: flat line indicates "zero Covid"*



Source: [Johns Hopkins](#), TrendMacro calculations

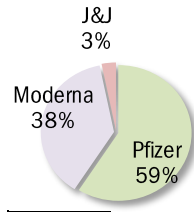
# Rolling out the vaccines in the US and the world

Updates weekly on Friday

Administered	Cumulative	Today	Immunity	Full	Partial
Doses	611,219,538	+0.273 million	US	66.9%	78.1%
of which boosters	108,244,239	+0.258 million	UK	73.5%	78.6%
	<b>One dose</b>	<b>% Pop</b>	<b>Immune</b>	<b>% pop</b>	<b>New immune today</b>
Total population	267,952,785	80%	228,544,890	68%	+0.011 million
Age 12 to 17	17,933,269	71%	15,342,644	61%	+0.002 million
Age 18 to 64	179,772,602	88%	152,575,922	75%	+0.013 million
Age 65 and over	59,401,488	100%	51,938,445	95%	+0.013 million

France	78.5%	80.8%
Spain	86.8%	88.3%
Germany	75.5%	77.1%
Italy	79.4%	84.2%
Australia	84.0%	86.7%
Israel	66.1%	72.3%
Canada	82.6%	86.1%
Japan	81.2%	82.3%
Africa	18.5%	23.7%
India	65.6%	73.0%
Brazil	78.9%	86.3%
China	87.3%	89.6%

Global data differs due to sources, timing



State	Best
At least partial immunity as % population	Middle
Full immunity as % population	Worst

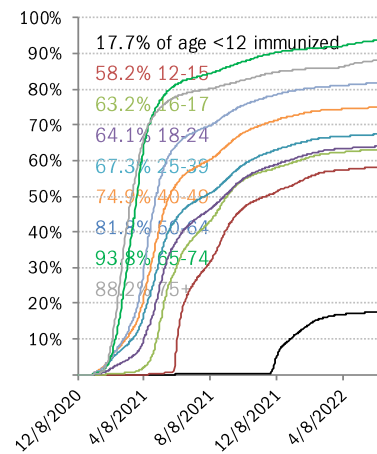
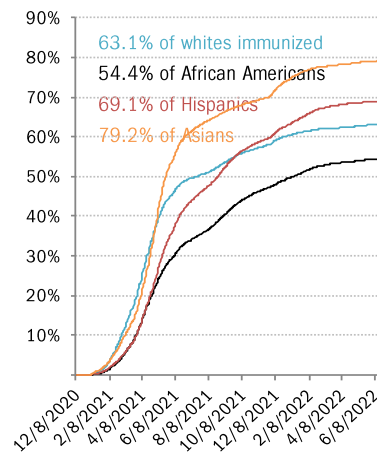
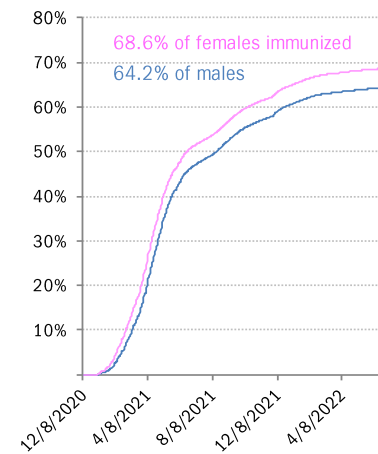
AK	70.6%
	62.7%

\*Immunity\* = two doses

As of Jun 30

					WI							ME
					72.4%							91.9%
					66.1%							80.5%
WA	ID	MT	ND	MN	IL	MI				NY	VT	NH
81.7%	62.3%	65.8%	66.2%	75.7%	76.3%	67.5%				91.1%	94.6%	89.6%
73.0%	55.8%	57.3%	56.1%	69.7%	69.0%	60.7%				77.8%	82.0%	71.6%
OR	NV	WY	SD	IA	IN	OH	PA			NJ	MA	
78.6%	76.2%	58.7%	77.7%	68.4%	62.6%	63.7%	86.2%			91.4%	95.0%	
70.2%	61.4%	51.4%	62.6%	62.4%	56.4%	58.8%	69.6%			76.5%	80.0%	
CA	UT	CO	NE	MO	KY	WV	VA			MD	CT	RI
83.0%	72.8%	80.2%	70.9%	66.8%	66.7%	65.6%	86.8%			87.6%	95.0%	95.0%
72.8%	64.8%	70.8%	64.1%	56.7%	57.9%	58.1%	73.8%			76.5%	80.1%	83.7%
	AZ	NM	KS	AR	TN	NC	SC			DC	DE	
	74.3%	89.1%	73.1%	67.4%	62.7%	85.8%	68.5%			95.0%	84.2%	
	62.4%	72.0%	62.6%	55.0%	54.9%	62.5%	57.7%			76.2%	70.1%	
			OK	LA	MS	AL	GA					
			71.8%	61.5%	60.2%	63.3%	66.1%					
			57.9%	53.9%	52.3%	51.6%	55.4%					
			TX							FL		PR
			74.4%							80.2%		95.0%
			62.3%							67.6%		83.6%

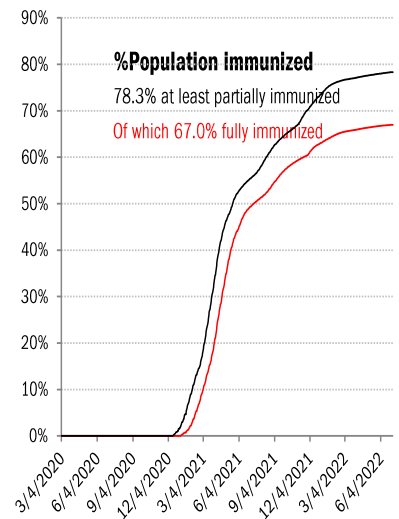
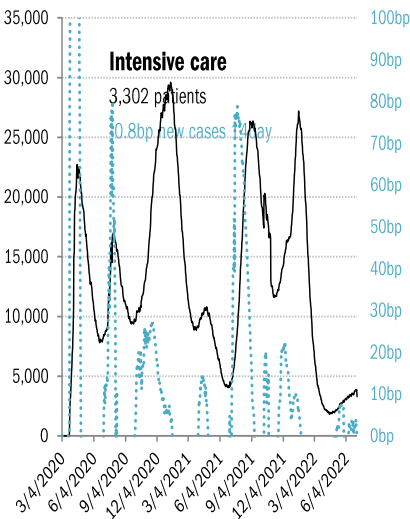
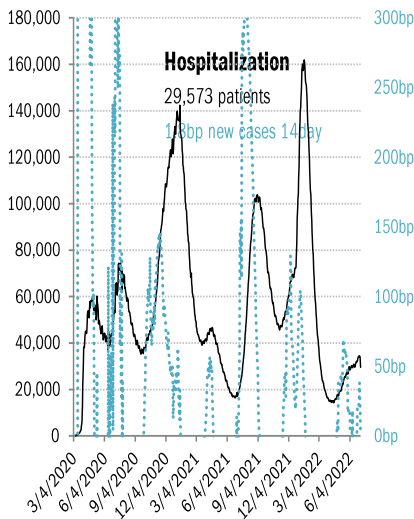
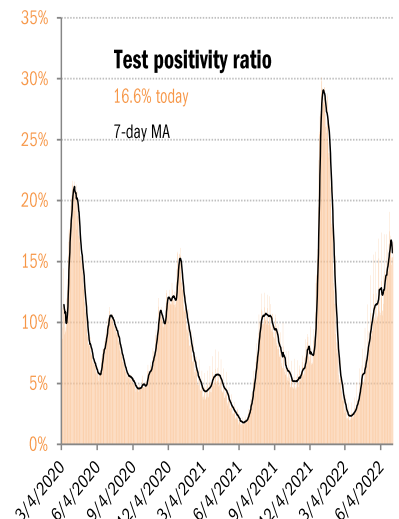
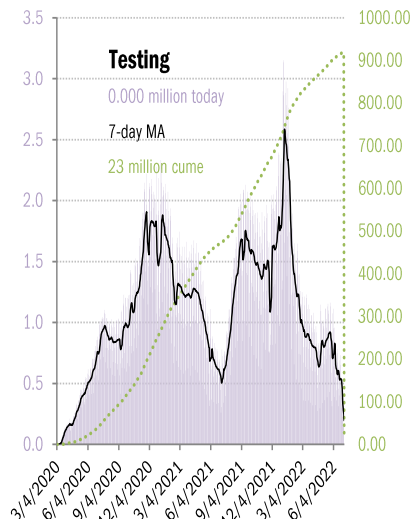
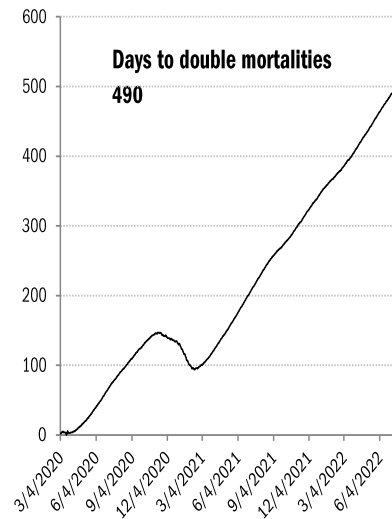
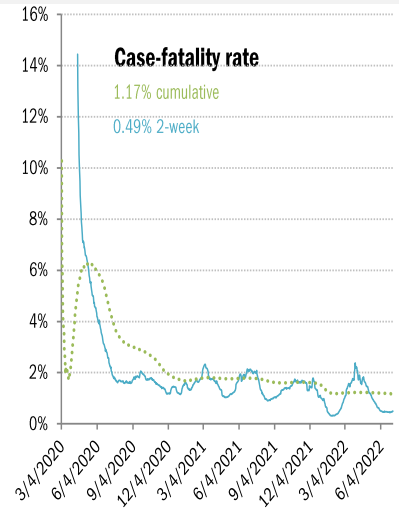
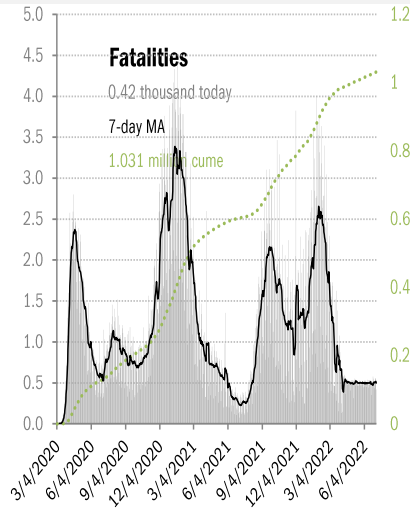
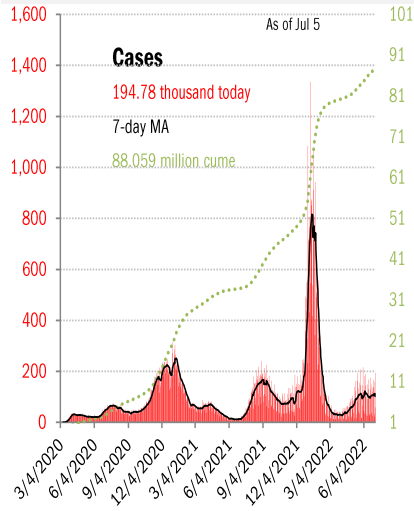
## The demographics of US vaccination



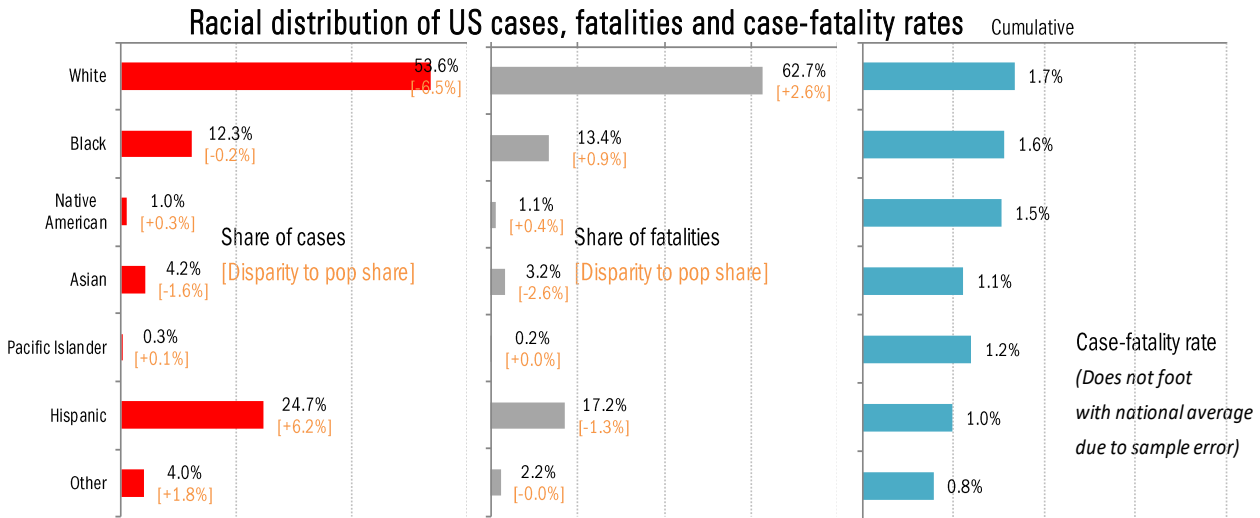
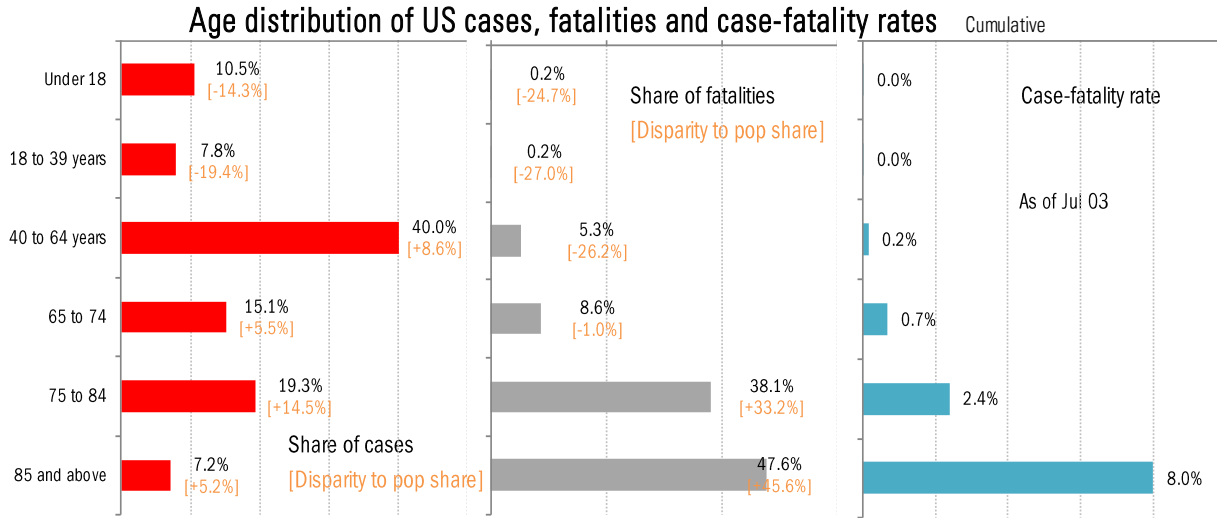
Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

# US deep-dive

National and state-by-state data do not line up because of different sources

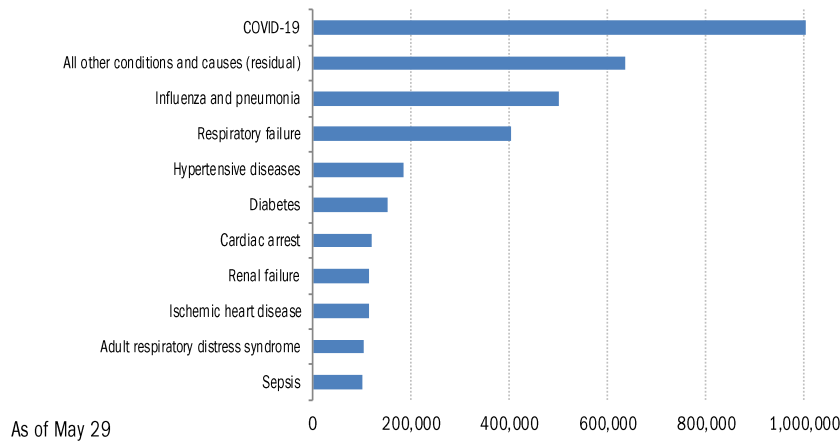


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations



### Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



For over 5% of these deaths, COVID-19 was the only cause mentioned on the death certificate. For deaths with conditions or causes in addition to COVID-19, on average, there were 4.0 additional conditions or causes

Comorbidity data has been paused by the CDC while making "system upgrades."

Source: Distributions [CDC](#), Comorbidities [CDC](#), TrendMacro calculations

## Recommended reading

[Americans hoping for European vacations this summer should prepare for one thing: Chaos](#)

Silvia Amaro  
*CNBC*  
July 4, 2022

[Missouri state rep resigns after federal conviction for COVID-19 fraud scheme](#)

Zach Schonfeld  
*The Hill*  
July 4, 2022

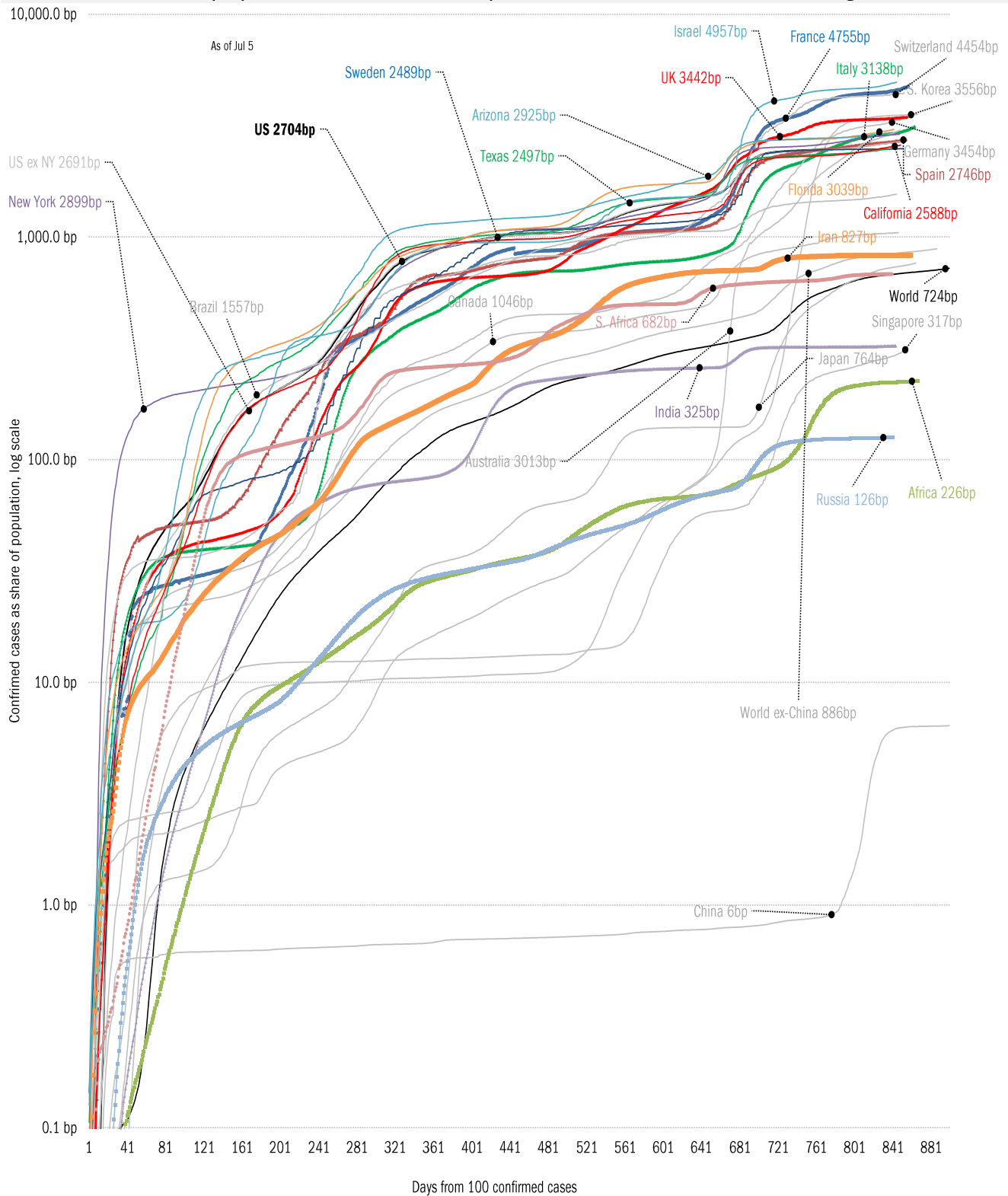
## Meme of the day



Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

# The global coronavirus case accelerometer... tracking the world's infection curves

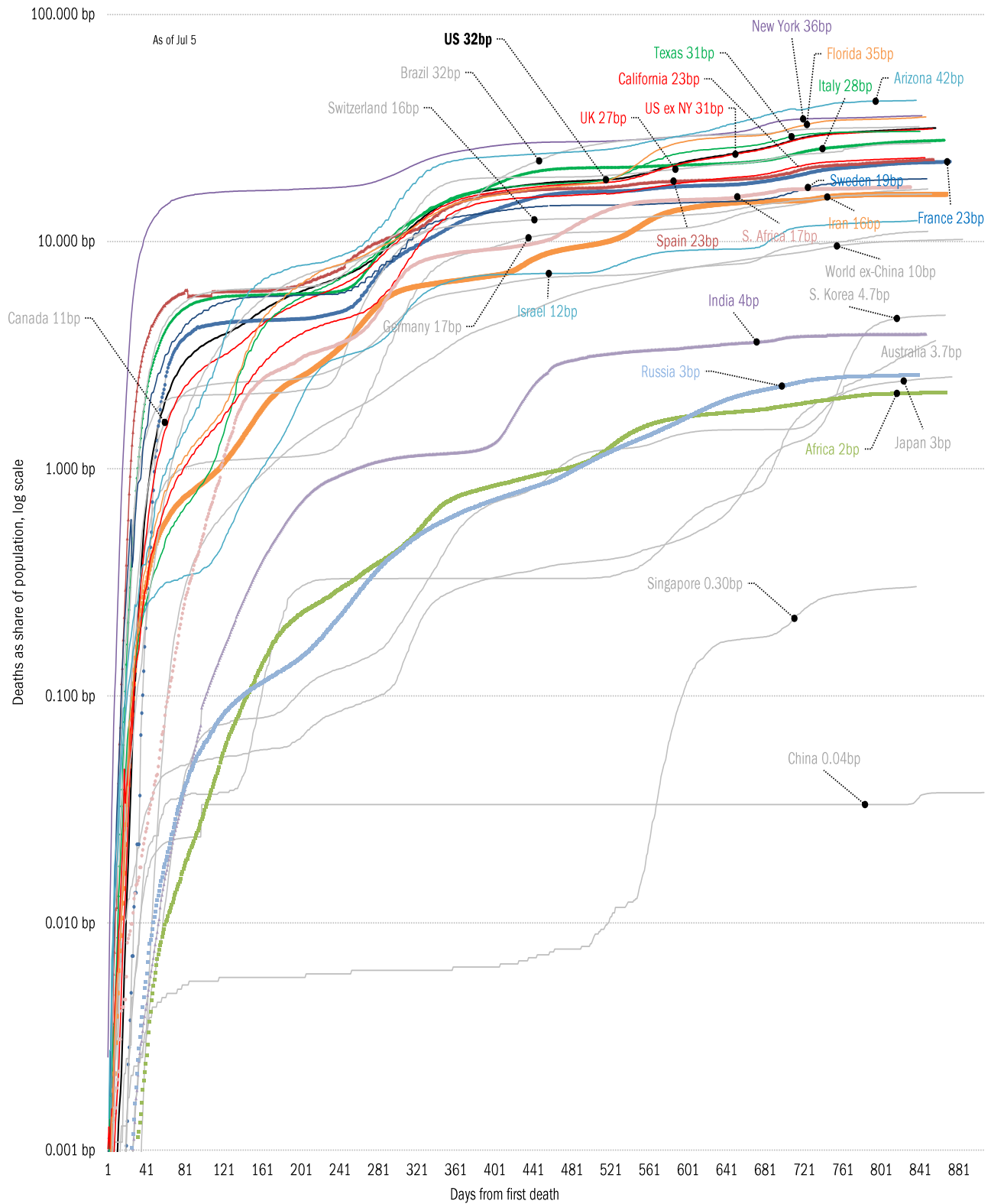
Share of infected population from first day with 100 confirmed cases, log scale



Source: [Johns Hopkins](#), TrendMacro calculations



The global coronavirus mortality accelerometer ... tracking the world's fatality curves  
*Share of deceased population from day of first fatality, log scale*

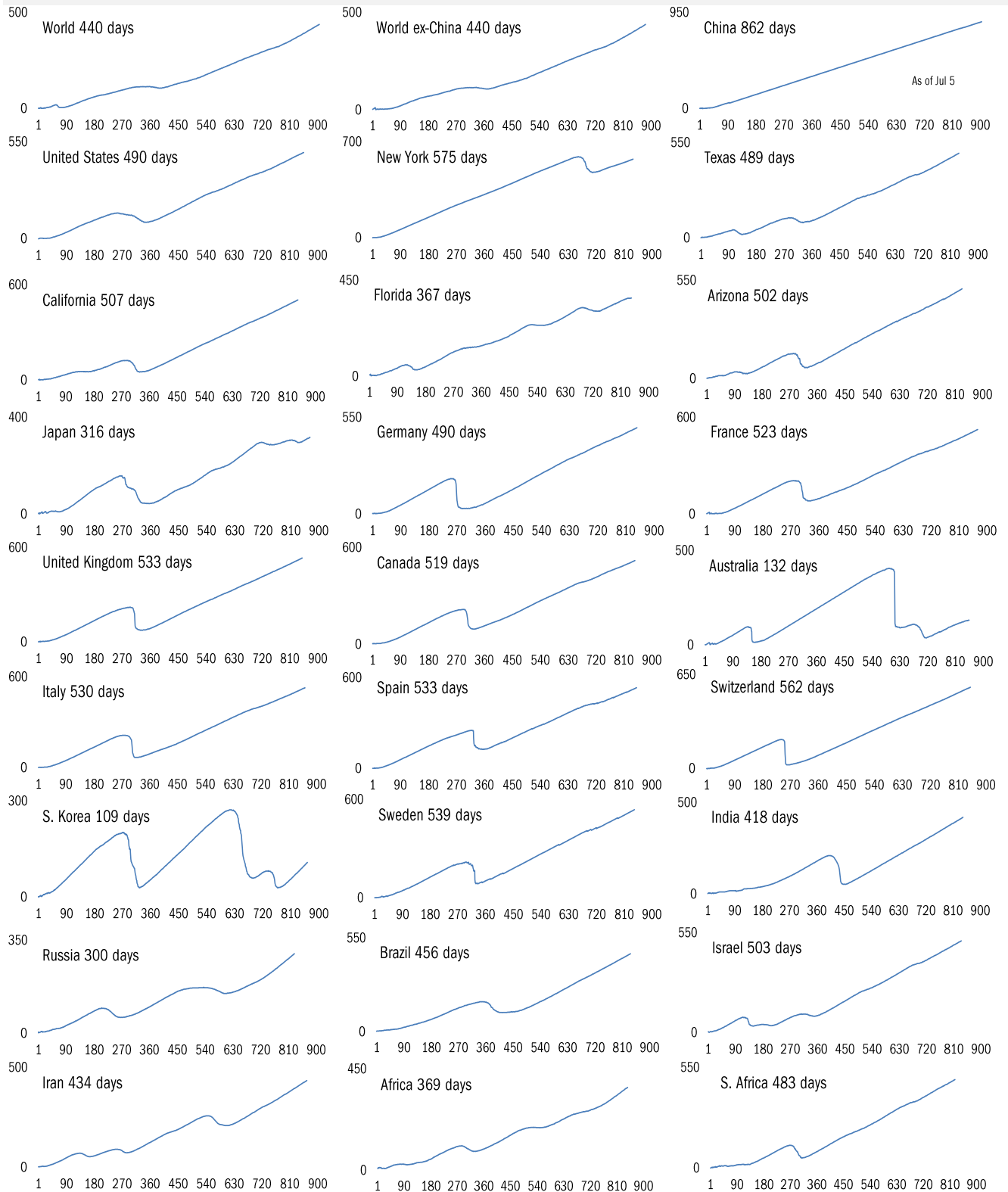


Source: [Johns Hopkins](#), TrendMacro calculations

# Our most reliable evidence of the rate of spread of Covid-2019

Vertical: days to double deaths Horizontal: days from first death

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

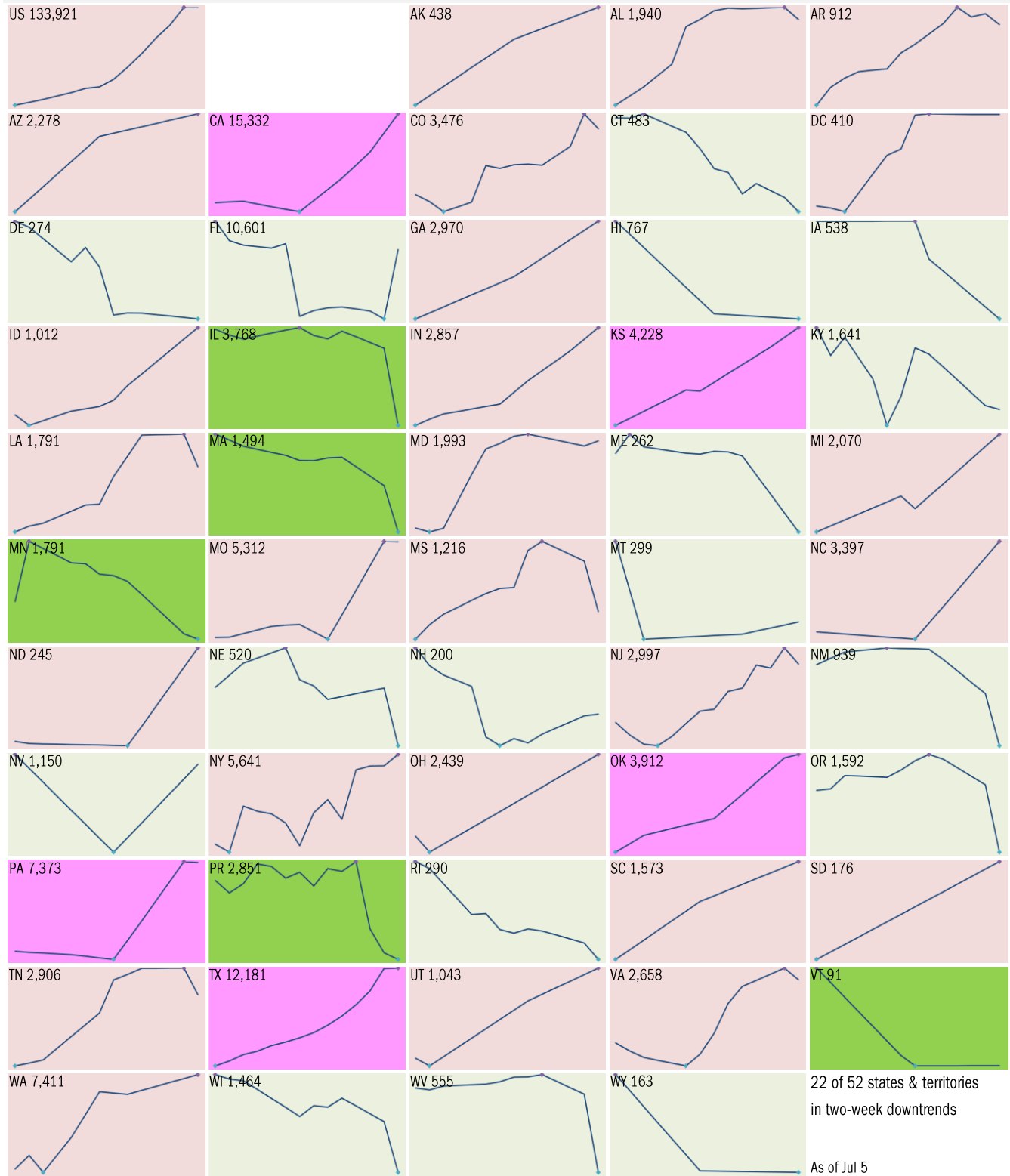


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in new cases

14-day moving average, last 14 days *Most recent value displayed* ● High ● Low

■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst

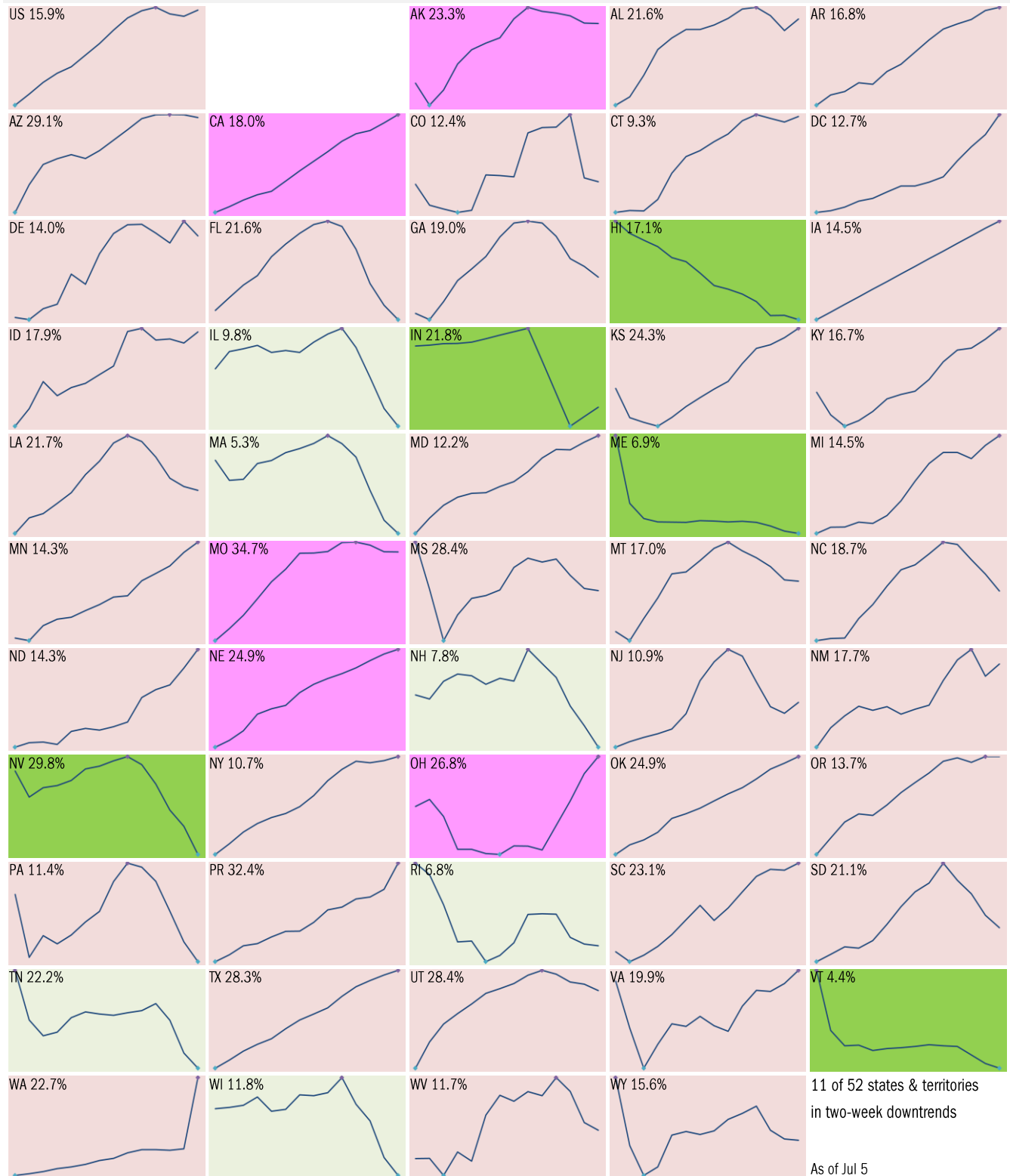


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in test-positivity ratio

14-day moving average, last 14 days *Most recent value displayed* ● High ● Low

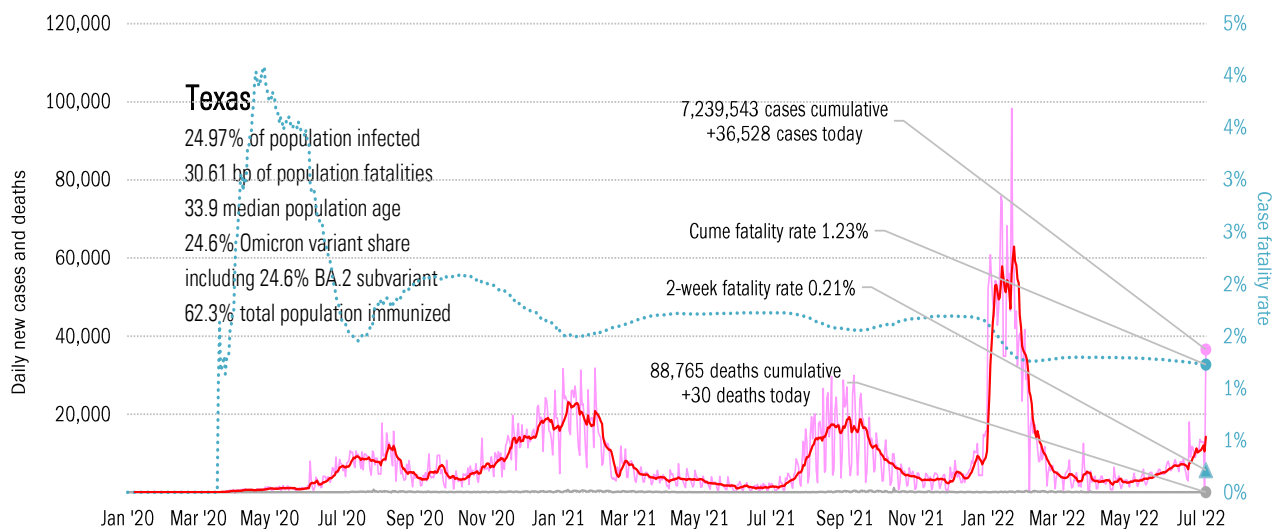
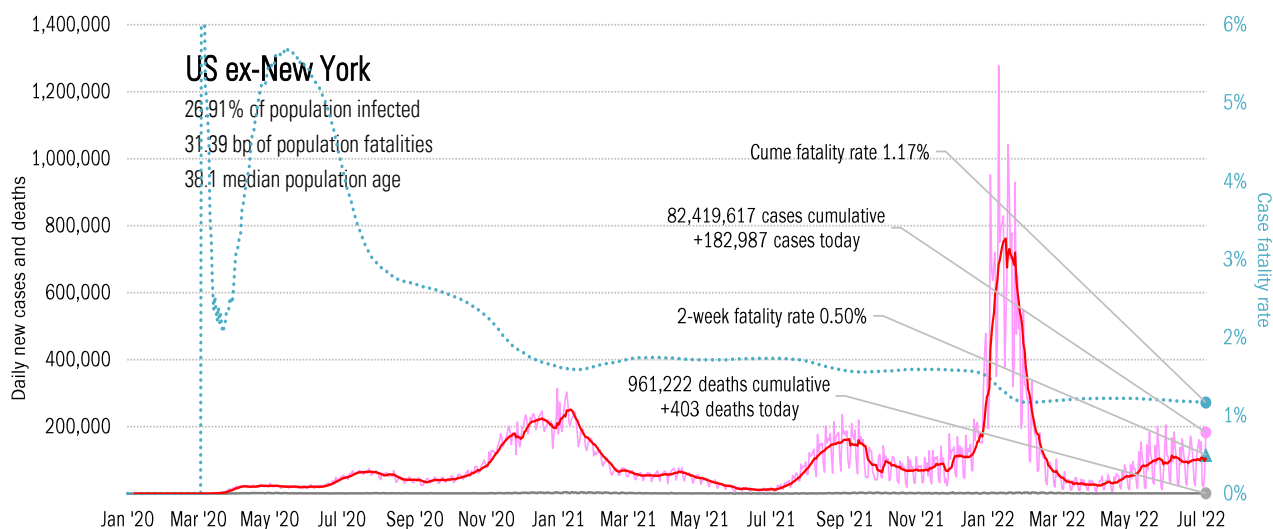
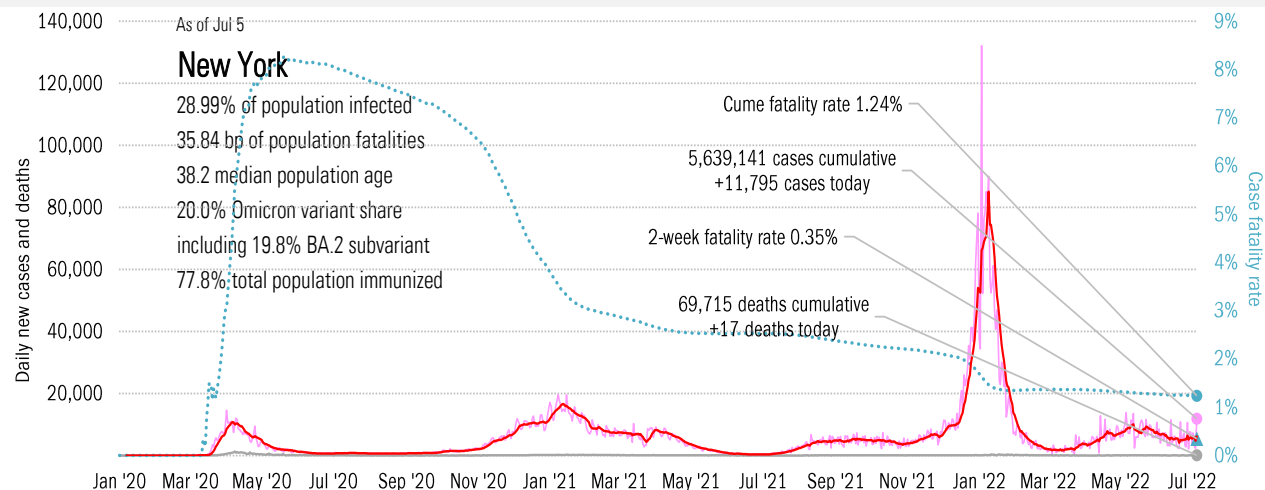
■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



Source: [Covid Act Now](#), TrendMacro calculations

# From Ground Zero to the Rio Grande

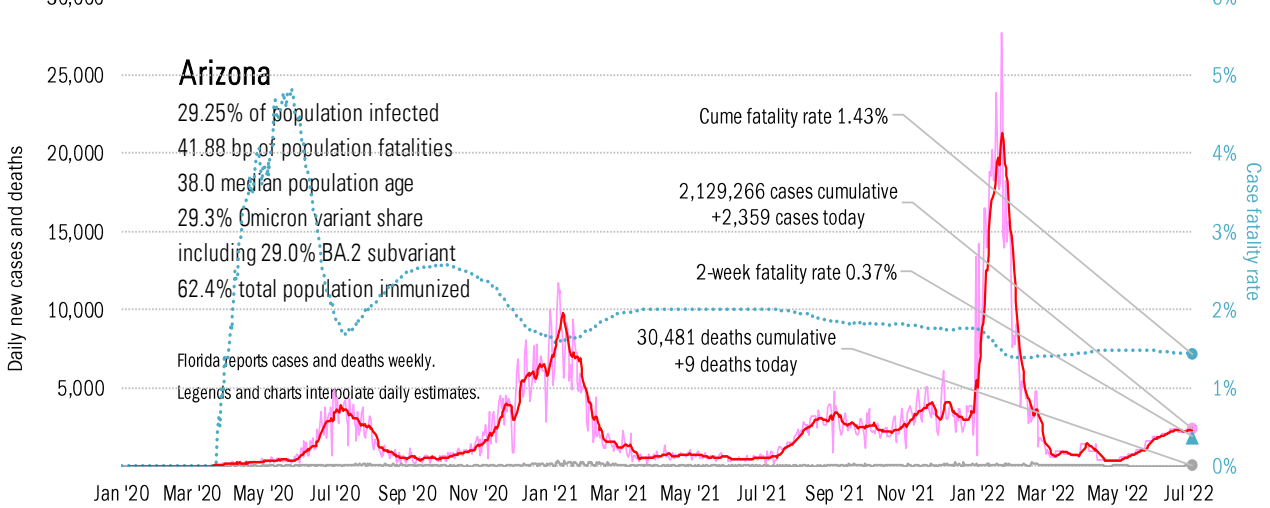
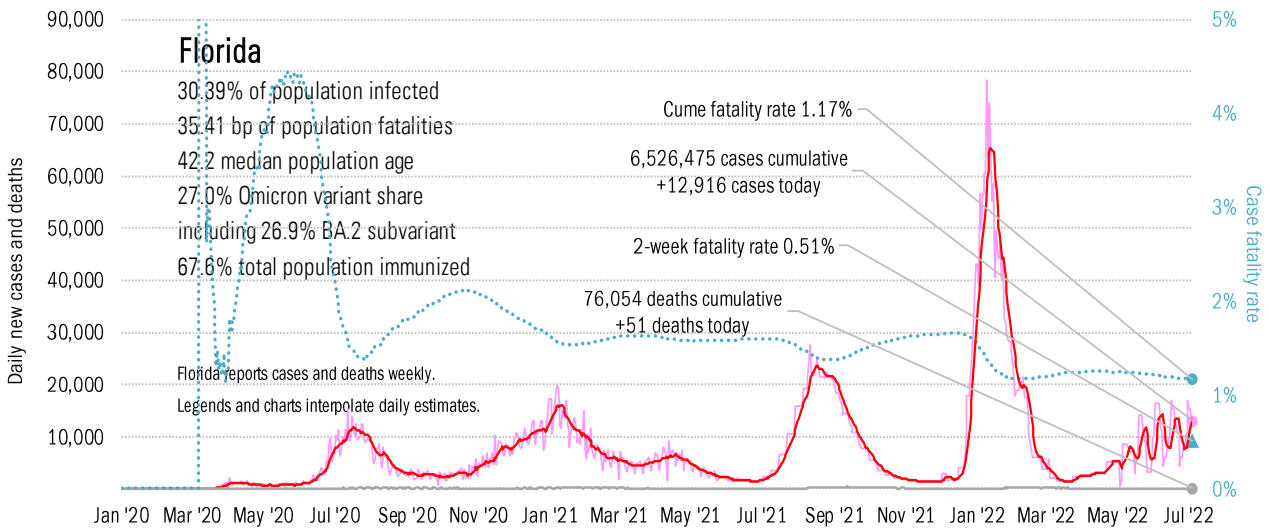
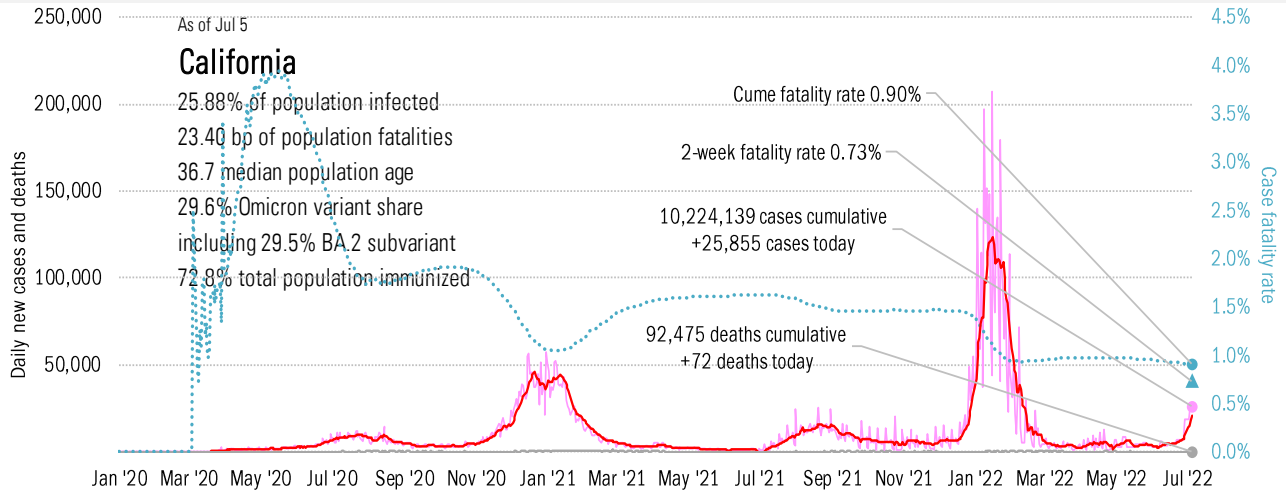
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# The sun-belt hot-spot states

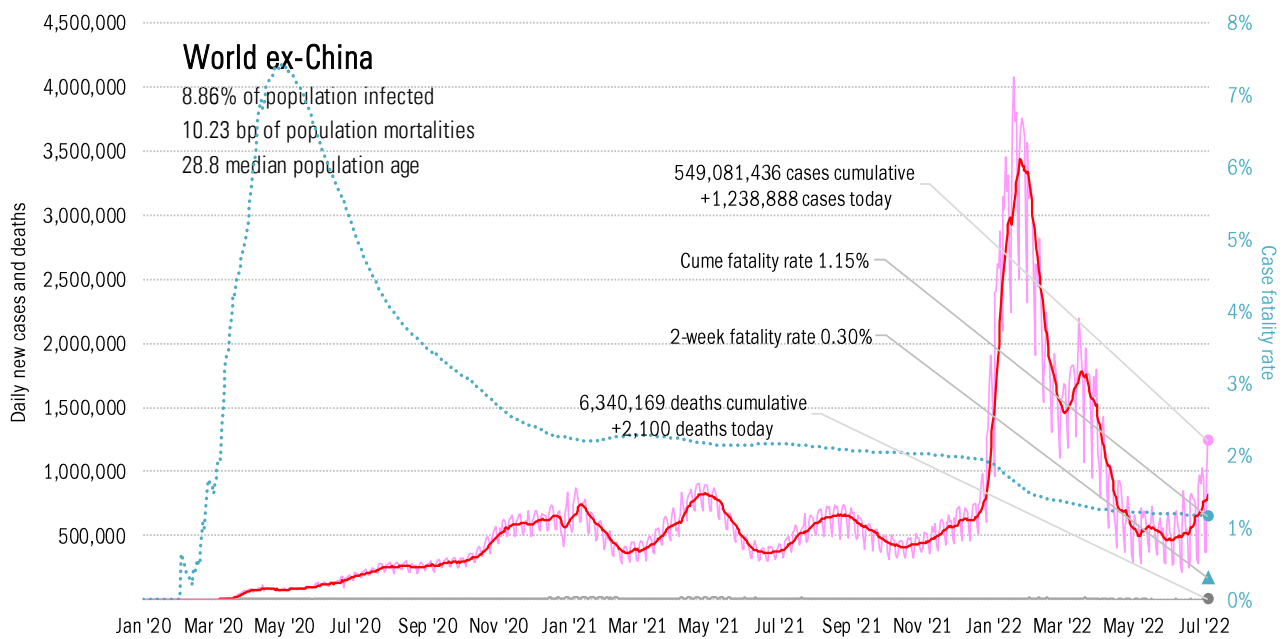
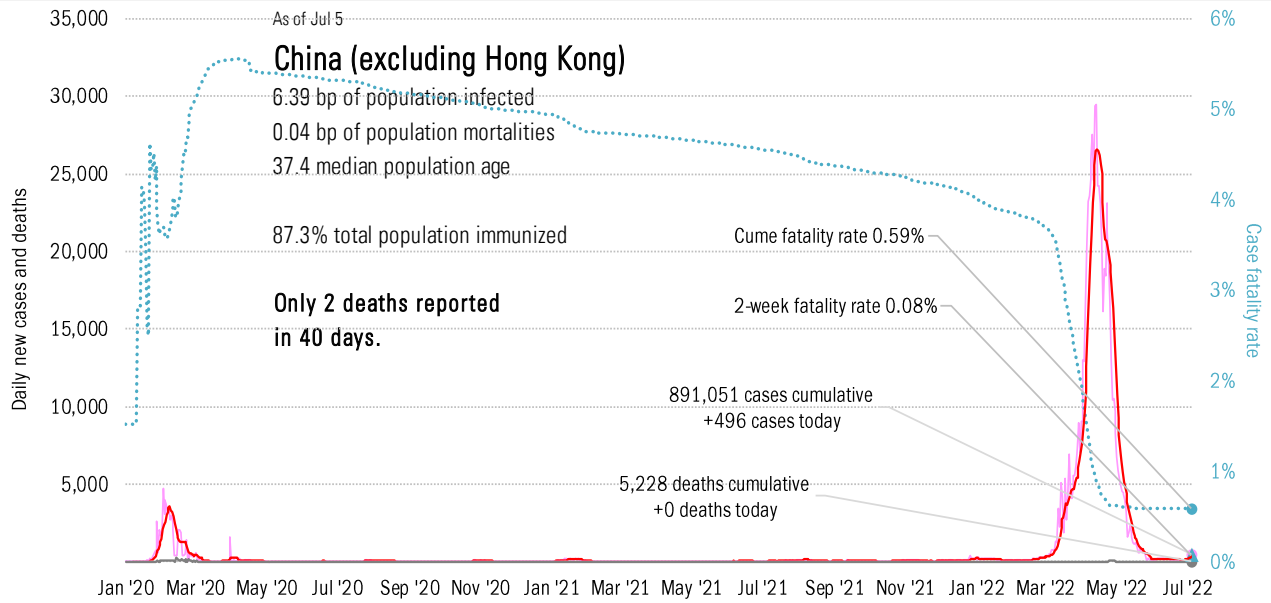
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# Patient zero... and then everyone else

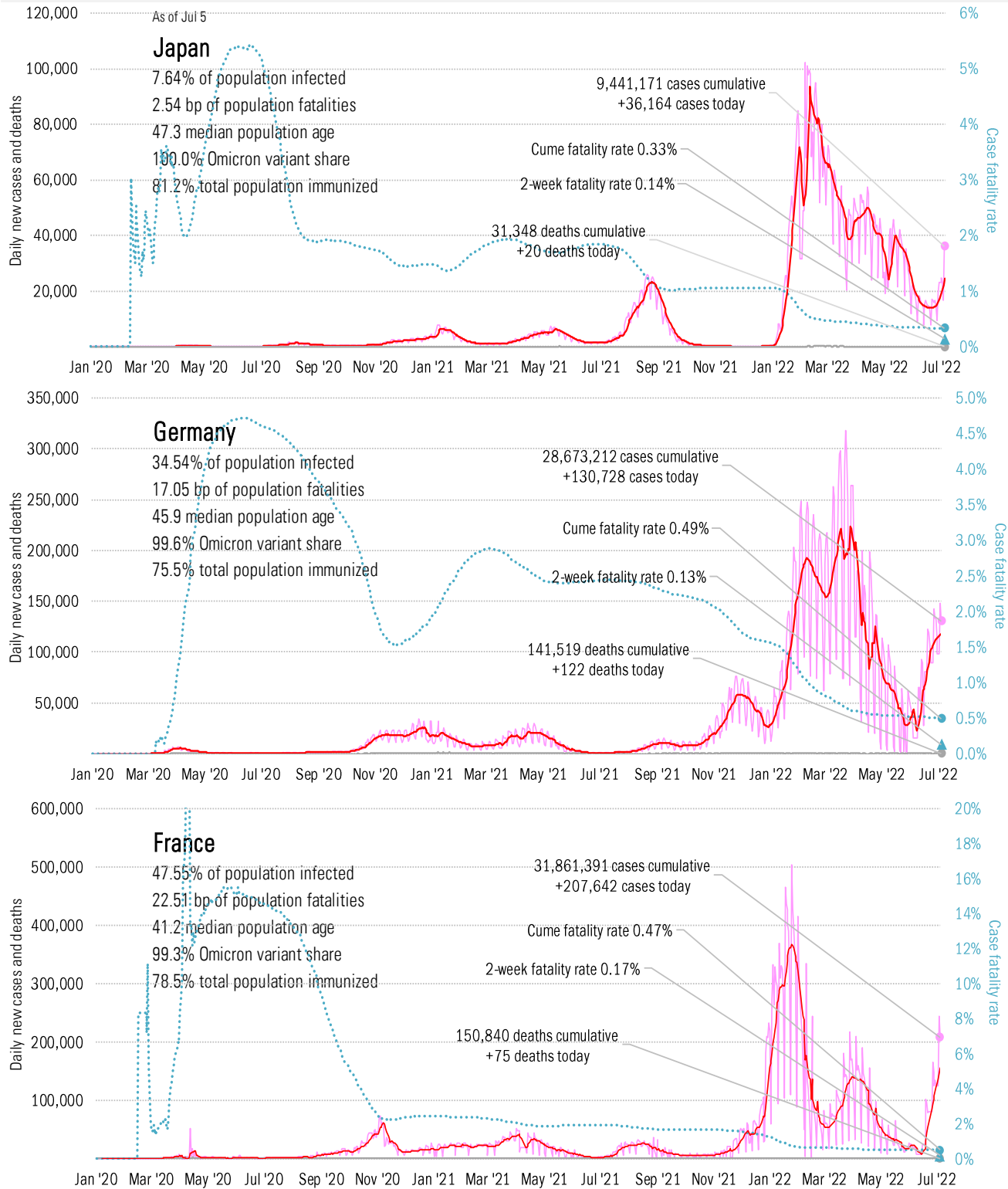
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the largest economies

Cases: 7-day average and daily Deaths: Daily

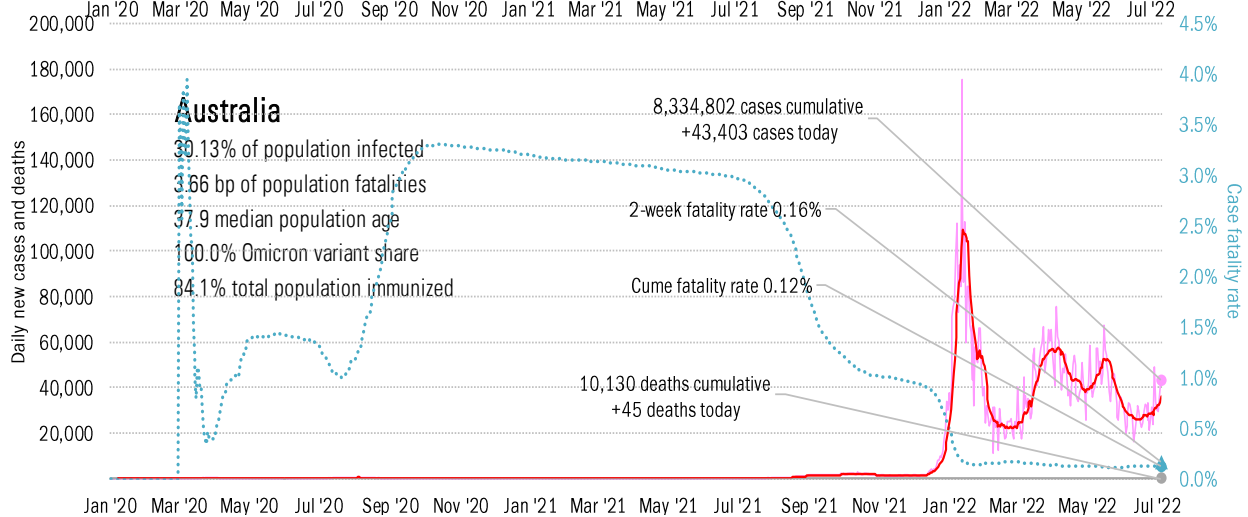
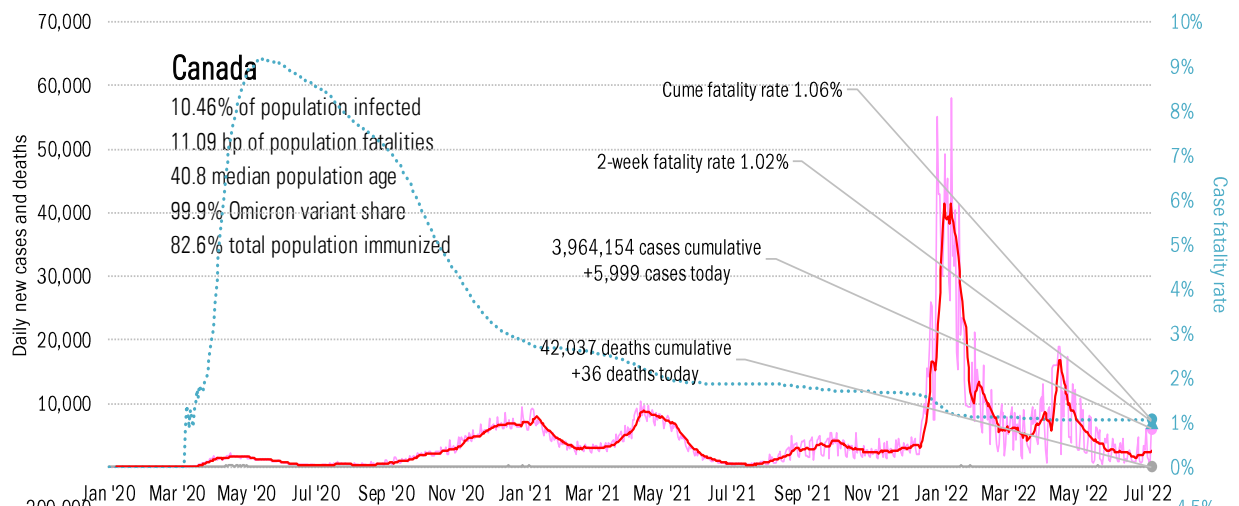
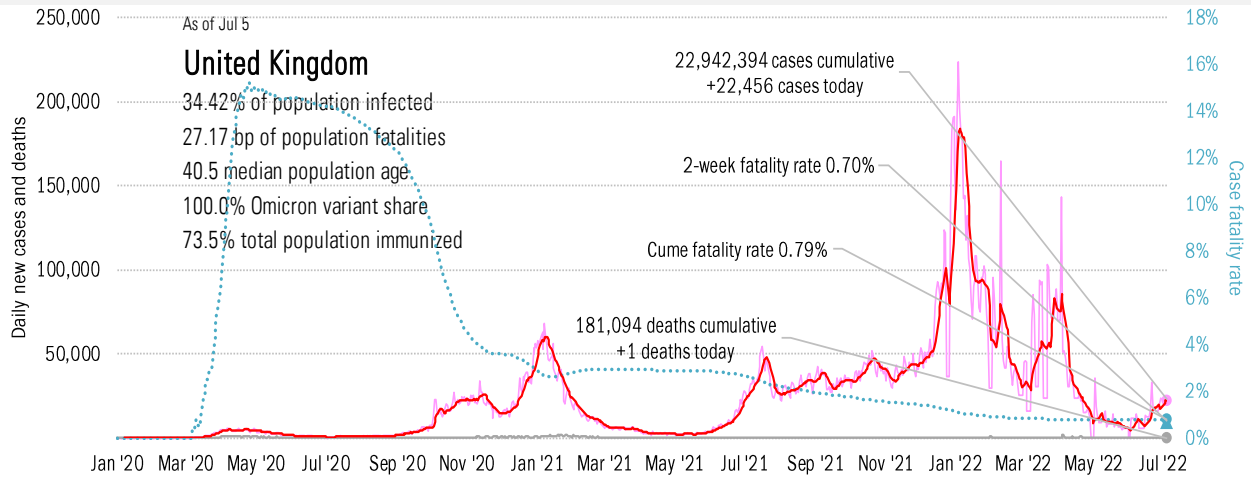


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in The Anglosphere

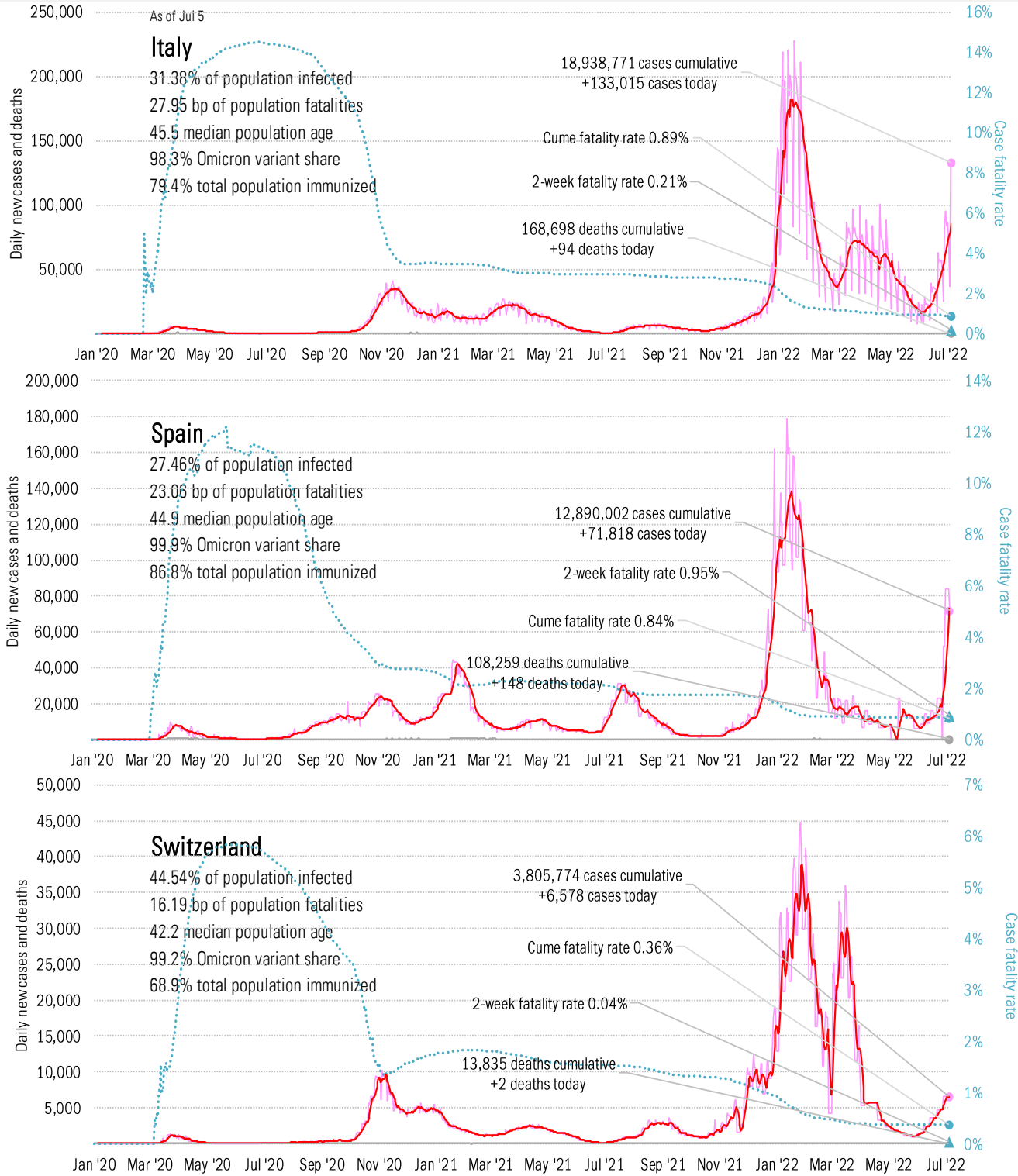
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in continental Europe

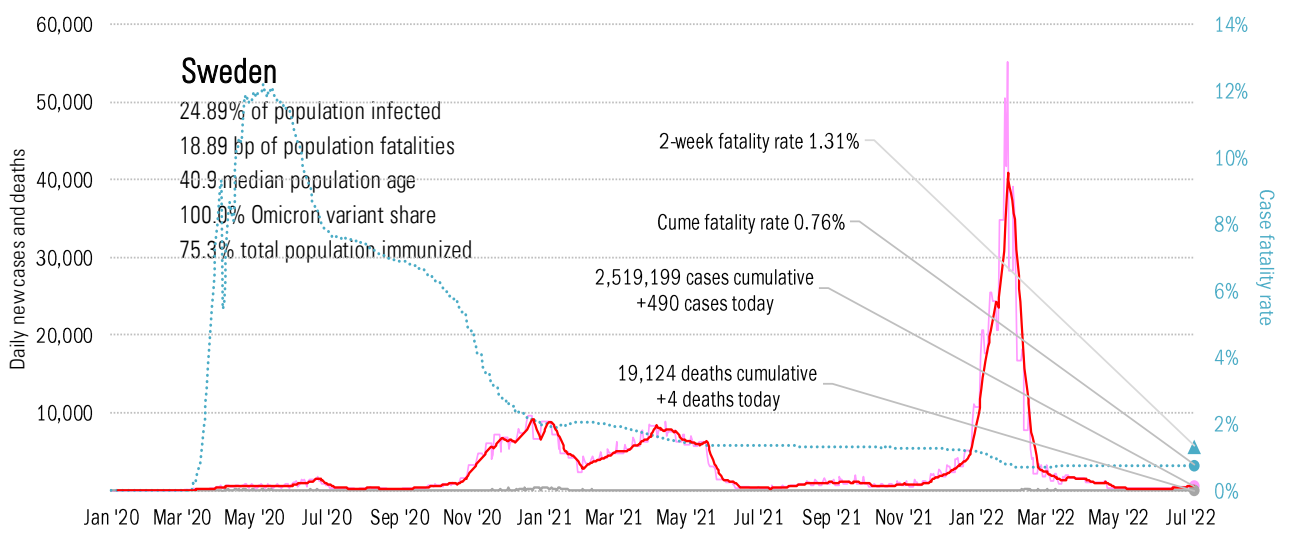
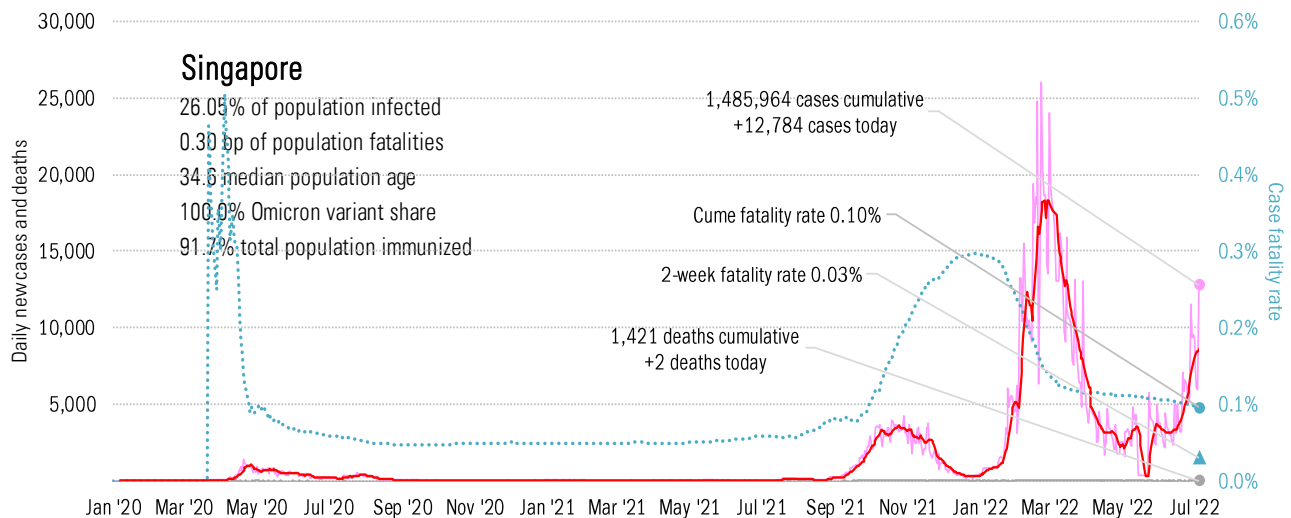
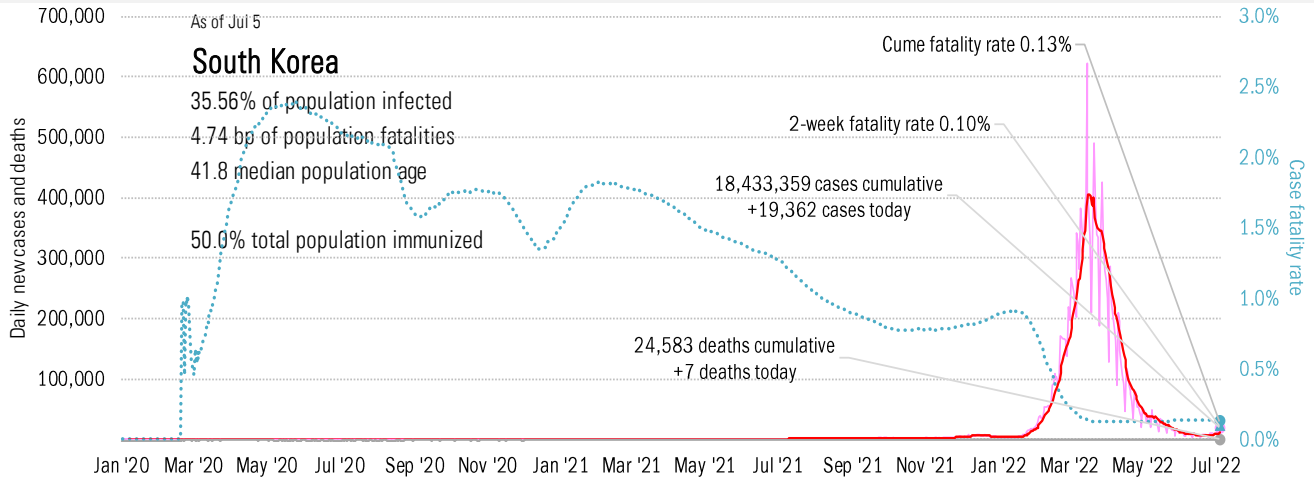
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in other hot-spots

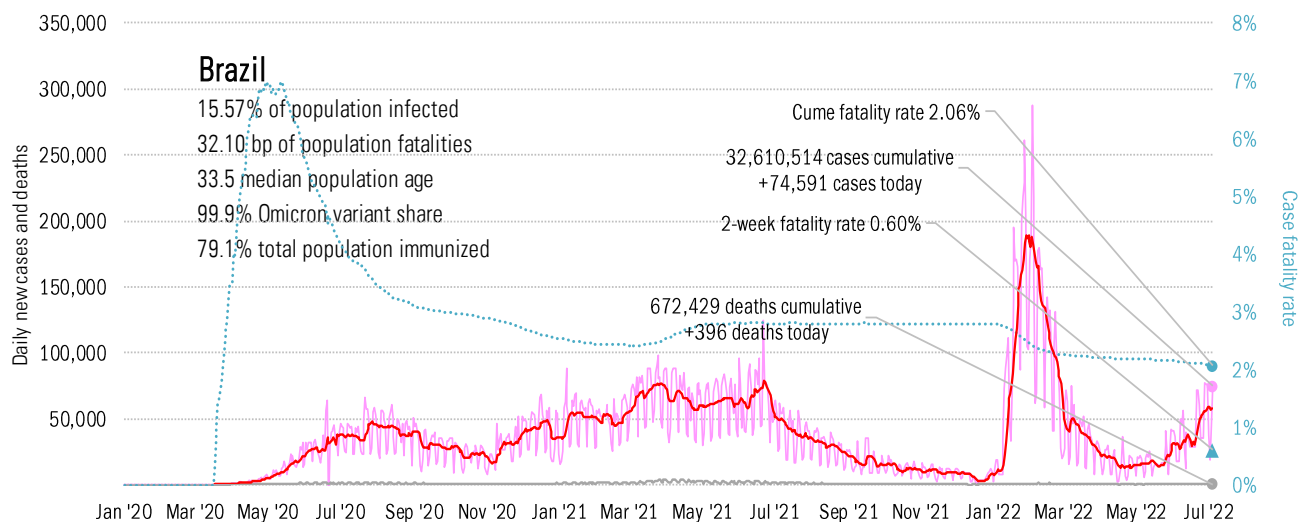
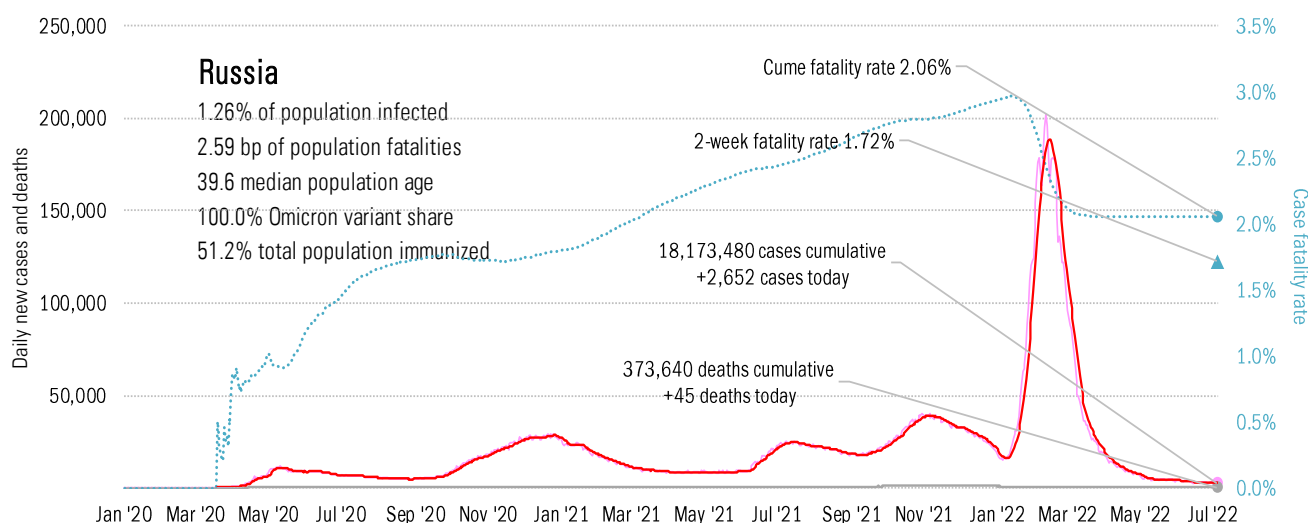
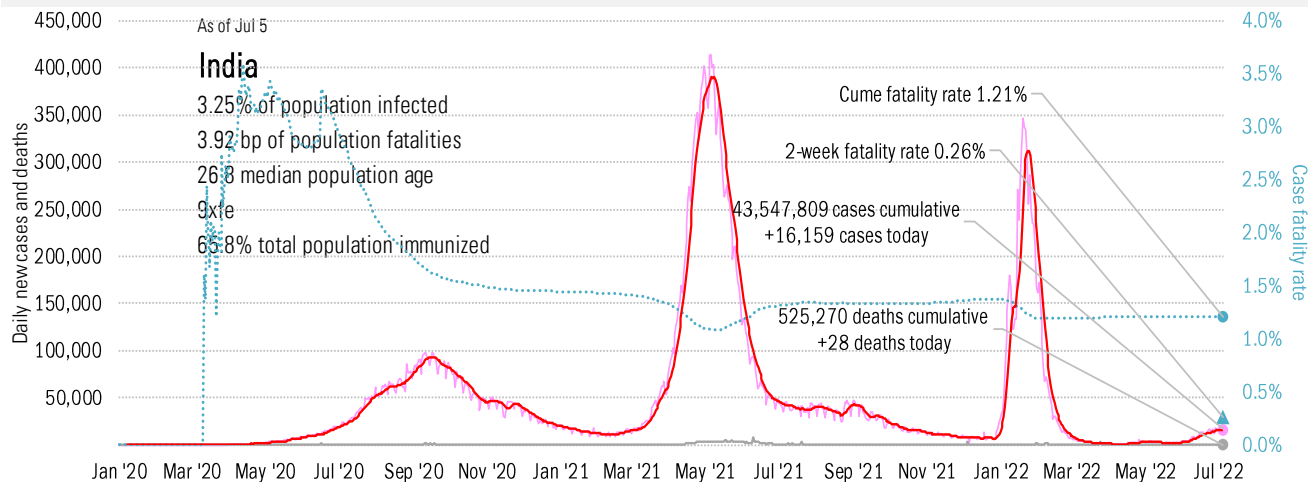
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China

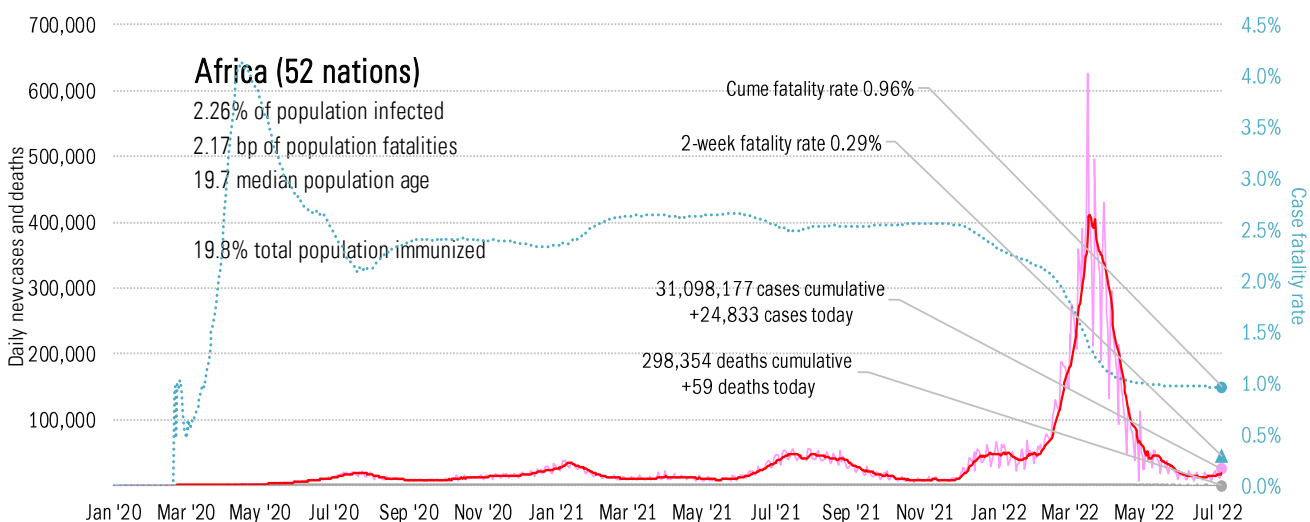
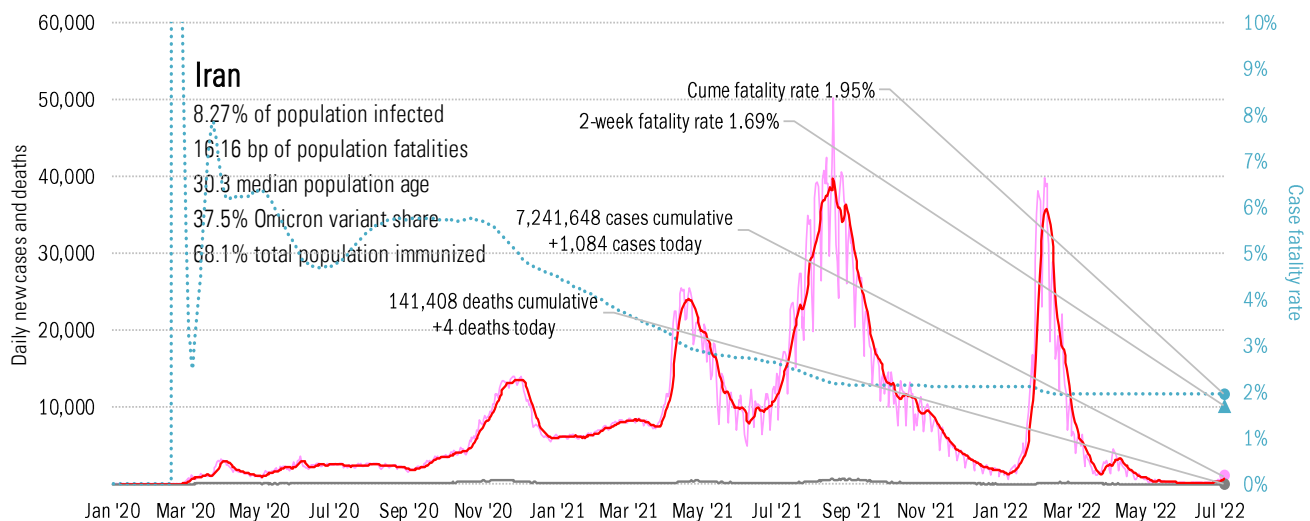
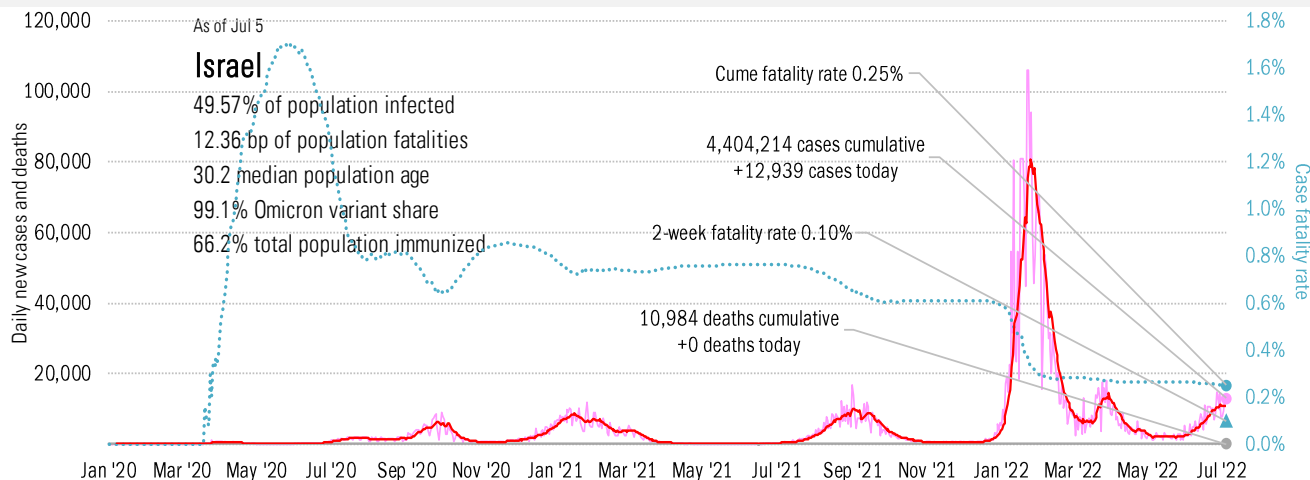
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the Middle East and Africa

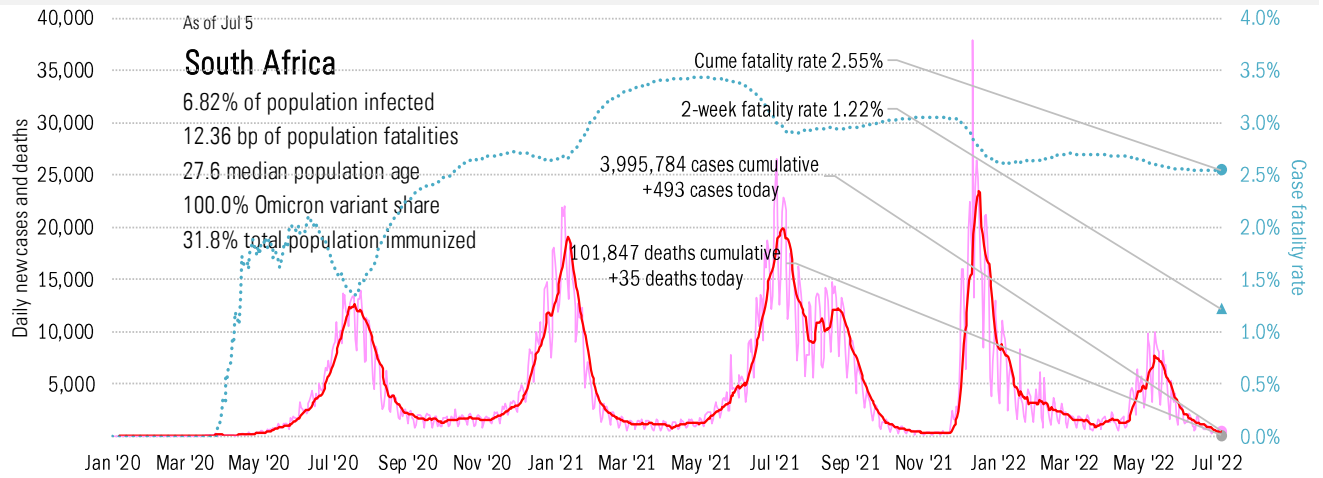
Cases: **7-day average** and **daily** Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations